According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758





**EVERBUILD Thermofoam** 

Revision Date: 07.07.2021 Version 2.0 Print Date 07.07.2021

Date of last issue: 11.02.2021

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : EVERBUILD Thermofoam

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Polyurethane foam

1.3 Details of the supplier of the safety data sheet

Company : Everbuild - A Sika Company

Site 41

**Knowsthorpe Way** 

Cross Green Industrial Estate

Leeds

West Yorkshire LS9 0SW

United Kingdom

Telephone : 0113 240 3456

E-mail address : everbuild.sds@uk.sika.com

1.4 Emergency telephone number

Emergency telephone num-: National Chemical Emergency Centre (NCEC)

24 Hour Emergency Telephone Number +44 870 190 6777 ber

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

### Classification (REGULATION (EC) No 1272/2008)

H222: Extremely flammable aerosol. Aerosols, Category 1

H229: Pressurised container: May burst if heated.

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Respiratory sensitisation, Category 1 H334: May cause allergy or asthma symptoms or

breathing difficulties if inhaled.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction. Carcinogenicity, Category 2 H351: Suspected of causing cancer. H335: May cause respiratory irritation.

Specific target organ toxicity - single ex-

posure, Category 3, Respiratory system Specific target organ toxicity - repeated H373: May cause damage to organs through pro-

exposure, Category 2 longed or repeated exposure if inhaled.

#### 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

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# **EVERBUILD Thermofoam**

Hazard pictograms







Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or

breathing difficulties if inhaled.

May cause respiratory irritation.

H335 May cause respiratory irritation. H351 Suspected of causing cancer.

H373 May cause damage to organs through pro-

longed or repeated exposure if inhaled.

Precautionary statements : P101 If medical advice is needed, have product

container or label at hand.

P102 Keep out of reach of children.

Prevention:

P202 Do not handle until all safety precautions

have been read and understood.

P210 Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No

smoking.

P211 Do not spray on an open flame or other igni-

tion source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe dust or mist.

P271 Use only outdoors or in a well-ventilated ar-

ea.

P280 Wear protective gloves/ protective clothing/

eye protection/ face protection.

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh

air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P308 + P313 IF exposed or concerned: Get medical ad-

vice/ attention.

Storage:

P405 Store locked up.

P410 + P412 Protect from sunlight. Do not expose to tem-

peratures exceeding 50 °C/ 122 °F.

Disposal:

P501 Dispose of contents/container in accordance

with local regulation.

Hazardous components which must be listed on the label:

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Diphenylmethanediisocyanate, isomeres and oligomerics

#### **Additional Labelling**

"As from 24 August 2023 adequate training is required before industrial or professional use."

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

# Components

Chamical name	CACNO	Classification	Concentration
Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		
Reaction products of phosphoryl	1244733-77-4	Acute Tox. 4; H302	>= 10 - < 20
trichloride and methyloxirane	807-935-0		
,	01-2119486772-26-		
	XXXX		

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Diphenylmethanediisocyanate, isomeres and oligomerics	32055-14-4 500-079-6 01-2119457024-46- XXXX	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373  specific concentration limit Eye Irrit. 2; H319 >= 5 % Resp. Sens. 1; H334 >= 0,1 % Skin Irrit. 2; H315 >= 5 % STOT SE 3; H335 >= 5 %	>= 10 - < 20	
isobutane	75-28-5 200-857-2 01-2119485395-27- XXXX	Flam. Gas 1; H220	>= 5 - < 10	
propane	74-98-6 200-827-9 01-2119486944-21- XXXX	Flam. Gas 1; H220	>= 2,5 - < 5	
Substances with a workplace exposure limit :				
dimethyl ether	115-10-6 204-065-8 01-2119472128-37- XXXX	Flam. Gas 1; H220	>= 10 - < 20	

For explanation of abbreviations see section 16.

# **SECTION 4: First aid measures**

# 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water. If symptoms persist, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses.

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Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed Do not induce vomiting without medical advice.

Rinse mouth with water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms Asthmatic appearance

Cough

Respiratory disorder Allergic reactions **Excessive lachrymation** 

Erythema **Dermatitis** 

See Section 11 for more detailed information on health effects

and symptoms.

Risks irritant effects

sensitising effects

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficul-

ties if inhaled.

May cause respiratory irritation. Suspected of causing cancer.

May cause damage to organs through prolonged or repeated

exposure if inhaled.

# 4.3 Indication of any immediate medical attention and special treatment needed

**Treatment** Treat symptomatically.

# **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

Suitable extinguishing media Water spray jet

> Dry powder Foam

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod-

ucts

Carbon dioxide (CO2) Carbon monoxide

Nitrogen oxides (NOx)

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Hydrogen cyanide (hydrocyanic acid)

Chlorine compounds

5.3 Advice for firefighters

for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

Further information Use water spray to cool unopened containers.

#### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment.

Deny access to unprotected persons.

6.2 Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform

respective authorities.

#### 6.3 Methods and material for containment and cleaning up

#### 6.4 Reference to other sections

For personal protection see section 8.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling Avoid exceeding the given occupational exposure limits (see

section 8).

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Take precautionary measures against static discharge. Open drum carefully as content may be under pressure. Follow standard hygiene measures when handling chemical

products

Advice on protection against

fire and explosion

Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Do not spray on a naked flame or any incandescent

material. Take precautionary measures against electrostatic

discharges.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Store in accordance with local regulations.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Cleaning with aprotic polar solvents must be avoided.

Consult most current local Product Data Sheet prior to any

use.

### **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

# **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parame-	Basis *
		of exposure)	ters *	
dimethyl ether	115-10-6	TWA	1.000 ppm	2000/39/EC
			1.920 mg/m3	
	Further information: Indicative			
		TWA	400 ppm	GB EH40
			766 mg/m3	
		STEL	500 ppm	GB EH40
			958 mg/m3	

<sup>\*</sup>The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

# **Biological occupational exposure limits**

Substance name	CAS-No.	Control parame- ters	Sampling time	Basis
Diphenylmethanediisocyanate, isomeres and oligomerics	32055-14-4	isocyanate- derived diamine (Isocyanates): 1 µmol/mol creati- nine (Urine)	At the end of the period of exposure	GB EH40 BAT

# 8.2 Exposure controls

# **Engineering measures**

Maintain air concentrations below occupational exposure standards.

Ensure adequate ventilation, especially in confined areas.

# Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166

Country GB 100000031491

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Eye wash bottle with pure water

Hand protection : Chemical-resistant, impervious gloves complying with an ap-

proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-

facturer specifications.

Suitable for short time use or protection against splashes:

Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed.

Suitable for permanent exposure:

Viton gloves (0.4 mm), breakthrough time >30 min.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345,

long-sleeved working clothing, long trousers).

Respiratory protection : In case of inadequate ventilation wear respiratory protection.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work-

ing limits of the selected respirator.

organic vapor (Type A) and particulate filter

A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm P1: Inert material; P2, P3: hazardous substances

Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure

limit they must use appropriate certified respirators.

**Environmental exposure controls** 

General advice : Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform

respective authorities.

### **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Physical state : aerosol Colour : various

Boiling point/boiling range : No data available

Flammability : Extremely flammable aerosol.

Flash point : Not applicable

Auto-ignition temperature : No data available

pH : Not applicable

substance/mixture reacts with water

**Viscosity** 

Viscosity, kinematic : Not applicable

Vapour pressure : 5100 hPa

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Density : ca. 1,023 g/cm3 (25 °C)

# 9.2 Other information

No data available

# **SECTION 10: Stability and reactivity**

# 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

# **SECTION 11: Toxicological information**

# 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

# **Acute toxicity**

Not classified based on available information.

#### Components:

### Reaction products of phosphoryl trichloride and methyloxirane:

Acute oral toxicity : LD50 Oral (Rat): > 630 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 7 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg

# Diphenylmethanediisocyanate, isomeres and oligomerics:

Acute inhalation toxicity : LC50: 1,5 mg/l

Exposure time: 4 h

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Test atmosphere: dust/mist Method: Expert judgement

#### Skin corrosion/irritation

Causes skin irritation.

# Serious eye damage/eye irritation

Causes serious eye irritation.

# Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Suspected of causing cancer.

#### Reproductive toxicity

Not classified based on available information.

# STOT - single exposure

May cause respiratory irritation.

### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

# **Aspiration toxicity**

Not classified based on available information.

### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

#### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

No data available

# 12.2 Persistence and degradability

No data available

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# 12.3 Bioaccumulative potential

No data available

# 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

#### **Product:**

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher...

#### 12.6 Endocrine disrupting properties

#### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

#### 12.7 Other adverse effects

#### **Product:**

Additional ecological infor-

mation

: There is no data available for this product.

# **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized

wherever possible.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe

way.

Dispose of surplus and non-recyclable products via a licensed

waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional

local authority requirements.

Avoid dispersal of spilled material and runoff and contact with

soil, waterways, drains and sewers.

European Waste Catalogue : 16 05 04\* gases in pressure containers (including halons)

containing dangerous substances

: 08 05 01\* waste isocyanates

Contaminated packaging : 15 01 10\* packaging containing residues of or contaminated

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by dangerous substances

# **SECTION 14: Transport information**

#### 14.1 UN number

**ADR** : UN 1950 **IMDG** UN 1950 IATA UN 1950

### 14.2 UN proper shipping name

**ADR** : AEROSOLS **IMDG AEROSOLS** 

**IATA** Aerosols, flammable

# 14.3 Transport hazard class(es)

**ADR** 2 **IMDG** 2.1 **IATA** 2.1

### 14.4 Packing group

#### **ADR**

Packing group Not assigned by regulation

Classification Code 5F Labels 2.1 Tunnel restriction code (D)

Remarks Transport according to chapter 3.4 (LQ) possible

**IMDG** 

Not assigned by regulation Packing group

Labels 2.1 **EmS Code** F-D, S-U

IATA (Cargo)

Packing instruction (cargo : 203

aircraft)

Packing instruction (LQ)

Packing group Not assigned by regulation

: 203

Labels Flammable Gas

IATA (Passenger)

Packing instruction (passen-

ger aircraft) Packing instruction (LQ)

Y203

Packing group Not assigned by regulation

: Flammable Gas Labels

#### 14.5 Environmental hazards

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Environmentally hazardous no

Marine pollutant nο

IATA (Passenger)

Environmentally hazardous no

IATA (Cargo)

Environmentally hazardous no

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,

preparations and articles (Annex XVII)

: Conditions of restriction for the following entries should be considered:

Diphenylmethanediisocyanate, isomeres and oligomerics (Number on

: None of the components are listed

list 74)

: Not applicable

(=> 0.1 %).

Not applicable

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

REACH - List of substances subject to authorisation

(Annex XIV)

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import

of dangerous chemicals

**REACH Information:** 

: Not applicable

Not applicable

All substances contained in our Products are

- registered by our upstream suppliers, and/or

- registered by us, and/or

- excluded from the regulation, and/or

- exempted from the registration.

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of ma-

jor-accident hazards involving dangerous substances.
P3a FLAMMABLE AEROSOLS

Volatile organic compounds : Law on the incentive tax for volatile organic compounds

(VOCV)

Volatile organic compounds (VOC) content: 18,25% w/w

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 18,25% w/w

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture: : Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations

(COSHH)

May be subject to the Control of Major Accident Hazards

Regulations (COMAH), and amendments.

#### Other regulations:

75/324/EEC

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

# **SECTION 16: Other information**

### **Full text of H-Statements**

H220 : Extremely flammable gas. H302 : Harmful if swallowed. H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.

H332 : Harmful if inhaled.

H334 : May cause allergy or asthma symptoms or breathing difficul-

ties if inhaled.

H335 : May cause respiratory irritation. H351 : Suspected of causing cancer.

H373 : May cause damage to organs through prolonged or repeated

exposure if inhaled.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity
Carc. : Carcinogenicity
Eye Irrit. : Eye irritation
Flam. Gas : Flammable gases
Resp. Sens. : Respiratory sensitisation

Skin Irrit. : Skin irritation

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Skin Sens. : Skin sensitisation

STOT RE : Specific target organ toxicity - repeated exposure STOT SE : Specific target organ toxicity - single exposure

2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first

list of indicative occupational exposure limit values

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT : UK. Biological monitoring guidance values

2000/39/EC / TWA : Limit Value - eight hours

GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADR : European Agreement concerning the International Carriage of

Dangerous Goods by Road

CAS : Chemical Abstracts Service
DNEL : Derived no-effect level

EC50 : Half maximal effective concentration

GHS : Globally Harmonized System

IATA : International Air Transport Association

IMDG : International Maritime Code for Dangerous Goods

LD50 : Median lethal dosis (the amount of a material, given all at

once, which causes the death of 50% (one half) of a group of

test animals)

LC50 : Median lethal concentration (concentrations of the chemical in

air that kills 50% of the test animals during the observation

period)

MARPOL : International Convention for the Prevention of Pollution from

Ships, 1973 as modified by the Protocol of 1978

OEL : Occupational Exposure Limit

PBT : Persistent, bioaccumulative and toxic PNEC : Predicted no effect concentration

REACH : Regulation (EC) No 1907/2006 of the European Parliament

and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

SVHC : Substances of Very High Concern

vPvB : Very persistent and very bioaccumulative

#### **Further information**

# Classification of the mixture: Classification procedure:

Aerosol 1	H222, H229	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Carc. 2	H351	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method

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# **EVERBUILD Thermofoam**

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version!

GB / EN